

POLAFLOOR PD™

Industrial Floor Coating



Performance
Coatings & Sealants
Systems

DESCRIPTION

POLAFLOOR PD is an air drying, moisture cured, single component polyurethane coating for application to industrial concrete floors. It produces a surface that is very wear-resistant and is unharmed by most industrial chemicals. POLAFLOOR PD cures to an attractive semi-gloss finish and is available with aluminum oxide granules or sharp quartz silica to provide a highly traction-enhancing surface.

OUTSTANDING FEATURES

- ✓ Fast setting; has rapid strength build
- ✓ Develops high impact and thermal shock resistant properties
- ✓ Protects floors from spalling, cracking, or other forms of breakdown due to water attack
- ✓ Long service life, even in industrial or chemical environment
- ✓ Saves time, money and labor; reduces downtime of floor after application

APPLICATION

Caution! Read this entire data sheet before continuing.

All surfaces to be coated must be clean, dry, and completely free of loose particles, oil, grease, or any substance that would interfere with adhesion. Surfaces may be cleaned by emulsifiable degreaser,

solvent, heavy duty detergent, sand blasting, or other convenient form of surface preparation. Remove all traces of cleaning agent and allow the surface to dry before beginning work. Previously coated surfaces must be tested for soundness and compatibility with POLAFLOOR PD. It may be necessary to brush blast previous coatings to provide a key for proper bonding.

POLAFLOOR PD may be applied by roller, brush, or squeegee brush. If using a roller, a medium pile roller with a solvent-resistant pile and core is recommended. If using a brush, carry the POLAFLOOR PD to the surface on the brush. No moisture can be present on equipment or the substrate when using POLAFLOOR PD.

Two coats are recommended for optimum appearance and durability. Apply subsequent coats. When the prior coat is touch-dry, but not more than 24 hours between coats. If aggregate is used to increase traction, broadcast it into the first coat while it is still wet. Clean equipment immediately after use in xylene or toluene. It is important that cleaning takes place before the POLAFLOOR PD dries.

LIMITATIONS

Do not use below 35°F. Shelf life is 6 months when stored in factory-sealed containers. Coated surfaces with direct exposure to sunlight will experience a loss of gloss and a slight change in color.

SPECIFICATIONS

Coating Type	Moisture-cured polyurethane
VOC	450 gms/liter
Pot Life	Single component
Shelf Life	6 months
Recommended Thickness	5 mils dry film thickness
Coverage	2 coats @ 360 square feet per gallon per coat
Packaging	1 gallon and 5 gallon pails
Color	Concrete Gray or Tile Red

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PRECAUTIONS

Warning! This product is flammable. Keep away from sparks and open flames. Use manual spray equipment or EP (explosion proof) rated equipment. Keep container tightly closed when not in use.

Do not ingest. In case of ingestion, do NOT induce vomiting and seek immediate medical attention. Keep away from skin and eyes with rubber gloves, full coveralls, and eye goggles. In case of contact flush with clear

water for 15 minutes. In case of contact with eyes, seek immediate medical attention in addition to flushing. Individuals with sensitivities to handling isocyanates are advised not to handle this product.

TECHNICAL DATA	
Flashpoint	105°F
Dry Density	1.12 gms/cc
Dry Film Thickness	5 mils @ 180 square feet per gallon (2 coats)
Temperature Range	Operating temperatures of -50°F to 200°F will not affect performance. Occasional exposure to 250° is tolerable.
Exterior Durability	Will not readily hydrolyze or oxidize; strong sunlight will reduce the gloss.
Chemical Resistance	Extremely good resistance to most chemicals including common solvents, brake fluids, fuels, alkalis and acids

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